

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **LESS-INVASIVE DEVICES AND METHODS FOR CARDIAC VALVE SURGERY**, the specification of which is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing	Status
08/485,600	June 7, 1995	Pending
08/281,962	July 28, 1994	Pending
08/163,241	December 6, 1993	Pending
08/023,778	February 22, 1993	Issued
08/486,941	June 6, 1995	Pending

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James M. Heslin, Reg. No. 29,541
Jeffry J. Grainger, Reg. No. 36,815
Jens E. Hoekendijk, Reg. No. 37,149

Send Correspondence to: James M. Heslin TOWNSEND AND TOWNSEND AND CREW Steuart Street Tower One Market Plaza, 20th Floor San Francisco, CA 94105	Direct Telephone Calls to: James M. Heslin Reg. No. 29,541 Telephone: (415) 326-2400
--	--

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or one joint inventor:

Brian S. Donlon

Inventor's signature:

Brian S Danb

2/28/97

Date:
Residence & Post Office Address:

**13944 Fremont Pines Lane
Los Altos Hills, CA 94022**

Citizenship:

United States

Full name of sole or one joint inventor:

William S. Peters

Inventor's signature:

Date:

Date: _____
Residence & Post Office Address:

59 Brighton road, Unit 2

55 Brighton
Elwood Vic

Citizenship:

New Zealand

Full name of sole or one joint inventor:

Michi E. Garrison

Inventor's signature:

Michi E. Garrison
2/27/97

Date:

Residence & Post Office Address:

212.Roosevelt Blvd.
Half Moon Bay, CA 94019

Citizenship:

United States

Full name of sole or one joint inventor:

Daniel C. Rosenman

Daniel C. Rosenman

2/27/97

1415 Waller Street #3
San Francisco, CA 94117

Citizenship:

United States

Full name of sole or one joint inventor:

John H. Stevens

Inventor's Signature:

John H. Stevens

Date:

Residence & Post Office Address:

28 Great Ormond Street, Flat #6
London, England WC1N 3JH

Citizenship:

United States

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James M. Heslin, Reg. No. 29,541
Jeffry J. Grainger, Reg. No. 36,815
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---	---

Full Name of Inventor 1	Last Name PETERS	First Name WILLIAM	Middle Name or Initial S.
Residence & Citizenship	City Elwood VIC 3184	State/Foreign Country Australia	Country of Citizenship New Zealand
Post Office Address	Post Office Address Unit 2 59 Brighton Road	City Elwood VIC 3184	State/Country & Zip Australia

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 WILLIAM S. PETERS Date: 4/2/96	Signature of Inventor 2 N/A Date:	Signature of Inventor 3 N/A Date:
--	---	---

Full Name of Inventor 4	Last Name ROSENMAN	First Name DANIEL	Middle Name or Initial C.
Residence & Citizenship	City San Mateo	State/Foreign Country California	Country of Citizenship USA
Post Office Address	Post Office Address 216 Grand Blvd. #2	City San Mateo	State/Country & Zip CA 94401
Full Name of Inventor 5	Last Name STEVENS	First Name JOHN	Middle Name or Initial H.
Residence & Citizenship	City London	State/Foreign Country England	Country of Citizenship USA
Post Office Address	Post Office Address 28 Great Ormond St. Flat #6	City London	State/Country & Zip England WC1N 3JH

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 5:

Dated: 6 Feb 1996



JOHN H. STEVENS

DOCKET NO. 045-C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian S. Donlon, et al.

Serial No. : 09/416,492 Art Unit: 3738

Filed : October 12, 1999 Examiner: D. Isabella

For : LESS-INVASIVE DEVICES AND METHOS FOR CARDIAC VALVE SURGERY

Commissioner for Patents
Washington, D.C. 20231

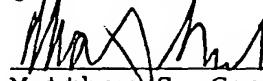
ASSOCIATE POWER OF ATTORNEY

Sir:

In the matter of the above-identified application, I hereby appoint Brian S. Tomko (Reg. No. 41,349), whose postal address is One Johnson & Johnson Plaza, New Brunswick, New Jersey 08933-7003, my associate attorney to prosecute said application, to make alterations and amendments therein, to file continuing applications claiming the benefit of said application, to receive the patent and to transact all business in the Patent Office connected with said application.

I request all communications with respect to said application be addressed to Philip S. Johnson, One Johnson & Johnson Plaza, New Brunswick, New Jersey 08933-7003. All telephone calls should be directed to Brian S. Tomko (732) 524-1239.

Signed at New Brunswick, in the County of Middlesex and State of New Jersey, this 19th day of April, 2002.


Matthew S. Goodwin
Reg. No. 32,839
Attorney for Applicant

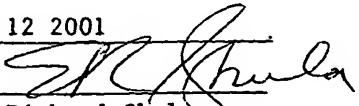
One Johnson & Johnson Plaza
New Brunswick, NJ 08933-7003
(732) 524-3849
DATED: April 19, 2002

PATENT
Attorney Docket No. 045-C1

I hereby certify that this correspondence is being deposited with the
United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents, Washington, DC 20231, on

July 12 2001

By:


E. Richard Skula
Attorney for Applicant(s)
Reg. No. 31,061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
BRIAN S. DONLON, et al.)	Examiner: D. ISABELLA
)	
Application No.: 09/416,492)	Art Unit: 3738
)	
Filed: October 12, 1999)	
)	
For: LESS-INVASIVE DEVICES)	REVOCATION AND SUBSTITUTION
AND METHODS FOR)	OF POWER OF ATTORNEY UNDER
CARDIAC VALVE SURGERY)	<u>37 CFR § 1.36</u>
)	

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Pursuant to 37 CFR § 1.36, HEARTPORT, INC. revokes all previous powers of attorney and hereby appoints the following to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Audley A. Ciamporcero, Jr., Reg. No. 26,051
Matthew S. Goodwin, Reg. No. 32,839
Emil Richard Skula, Reg. No. 31,061
Verne E. Kreger, Jr., Reg. No. 35,231
William Kent Wissing, Reg. No. 34,757
Dean Garner, Reg. No. 35,877
Bernard Shay, Reg. No. 32,061

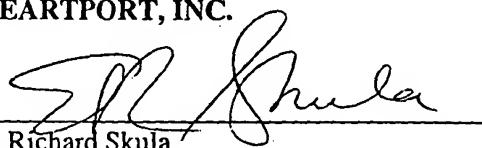
Please direct all future correspondence regarding the subject application to:

AUDLEY A. CIAMPORCERO, JR.
One Johnson & Johnson Plaza
New Brunswick, NJ 08933-7003

Asignee, HEARTPORT, INC., GIVES YOU THE BELOW DATE/SIGNATURE LINE:

HEARTPORT, INC.

Date: July 12, 2001


E. Richard Skula
Title: Assistant Secretary
Reg. No. 31,061



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 15, 1997

PTAS

HEARTPORT, INC.
JEFFREY J. GRAINGER
200 CHESAPEAKE DRIVE
REDWOOD CITY, CA 94063



100383448A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/05/1997

REEL/FRAME: 8418/0670
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DONLON, BRIAN S.

DOC DATE: 02/28/1997

ASSIGNOR:

PETERS, WILLIAM S.

DOC DATE: 04/02/1996

ASSIGNOR:

GARRISON, MICHI E.

DOC DATE: 02/27/1997

ASSIGNOR:

ROSENMAN, DANIEL C.

DOC DATE: 02/27/1997

ASSIGNOR:

STEVENS, JOHN H

DOC DATE: 02/06/1997

ASSIGNEE:

HEARTPORT, INC.
200 CHESAPEAKE DRIVE
REDWOOD CITY, CALIFORNIA 94063



8418/0670 PAGE 2

SERIAL NUMBER: 08594870
PATENT NUMBER:

FILING DATE: 01/31/1996
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



04-07-1997



PATENT

Date: March 3, 1997

I.O.: 14635-52/ Heartport No. 045-CP

MAR
5 64
1997

FORM PTO-1595
(Rev. 6/93)
OMB No. 0651-0011 (exp. 4/94)

RECEIVED
100383448
PATENTS ONLY

U.S. DEPT. OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Brian S. Donlon
William S. Peters
Michi E. Garrison
Daniel C. Rosenman
John H. Stevens

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other _____

Execution Date: 2/6 and 4/2/96; 2/27 and 2/28/97

4. Application number(s) or patent number(s): 08/594,870

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: HEARTPORT, INC.

Internal Address:
200 Chesapeake Drive
Redwood City, CA 94063

Street Address:
200 Chesapeake Drive
Redwood City, CA 94063

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

[] Enclosed
[X] Authorized to be charged to deposit account

8. Deposit Account No.: 08-1510
(duplicate attached)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffry J. Grainger
Name of Person Signing
Registration No.: 36,815

Signature

010 UT 03/03/97 08594870
01042 59 Date 40.00CH

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, Box Assignments
Washington, DC 20231

C
TTC No. 14635-52/ Heartport No.045-CP

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Brian S. Donlon residing at 13944 Fremont Pines Lane, Los Altos Hills, California 94022; William S. Peters residing at 59 Brighton Road, Unit 2, Elwood VIC 3184, Australia; Michi E. Garrison residing at 2325 Casa Bona Avenue, Belmont, California 94002; and Daniel C. Rosenman, residing at 216 Grand Blvd., #2, San Mateo, California 94401; and John H. Stevens residing at 28 Great Ormond Street, Flat #6, London, England WC1N 3JH, hereinafter referred to as "Assignors", are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **LESS-INVASIVE DEVICES AND METHODS FOR CARDIAC VALVE SURGERY**

Date(s) of Execution of Declaration: _____

Filed: January 31, 1996

Serial No.: 08/594,870

WHEREAS, HEARTPORT, INC., a Delaware corporation, located at 200 Chesapeake Drive, Redwood City, California 94063, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same:

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interests to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Brian S. Donlon
BRIAN S. DONLON

2/28/97

Date

WILLIAM S. PETERS

Date

Michi E. Garrison
MICHI E. GARRISON

2/27/97

Date

Daniel C. Rosenman
DANIEL C. ROSENMAN

2/27/97

Date

JOHN H. STEVENS

Date

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, **WILLIAM S. PETERS** residing at Unit 2, 59 Brighton Road, Elwood VIC 3184, Australia, hereinafter referred to as "Assignor", is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **LESS-INVASIVE DEVICES AND METHODS FOR CARDIAC VALVE SURGERY**

Date(s) of Execution of Declaration: _____

Filed: January 31, 1996

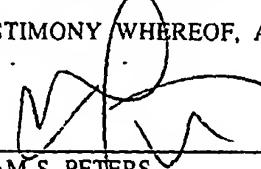
Serial No.: 08/594,870

WHEREAS, **HEARTPORT, INC.**, a Delaware corporation, located at 200 Chesapeake Drive, Redwood City, California 94063, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same:

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interests to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

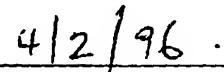
Assignor further agrees that he will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.



WILLIAM S. PETERS

Date



4/2/96

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, JOHN H. STEVENS residing at 28 Great Ormond Street, Flat #6, London, England WC1N 3JH, hereinafter referred to as "Assignor", is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **LESS-INVASIVE DEVICES AND METHODS FOR CARDIAC VALVE SURGERY**

Date(s) of Execution of Declaration: _____

Filed: January 31, 1996

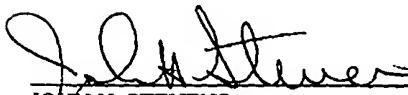
Serial No.: Not yet assigned

WHEREAS, HEARTPORT, INC., a Delaware corporation, located at 200 Chesapeake Drive, Redwood City, California 94063, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same:

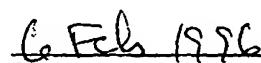
For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interests to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that he will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.



JOHN H. STEVENS



Date